

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427590

Luminaire Tested: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427590
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

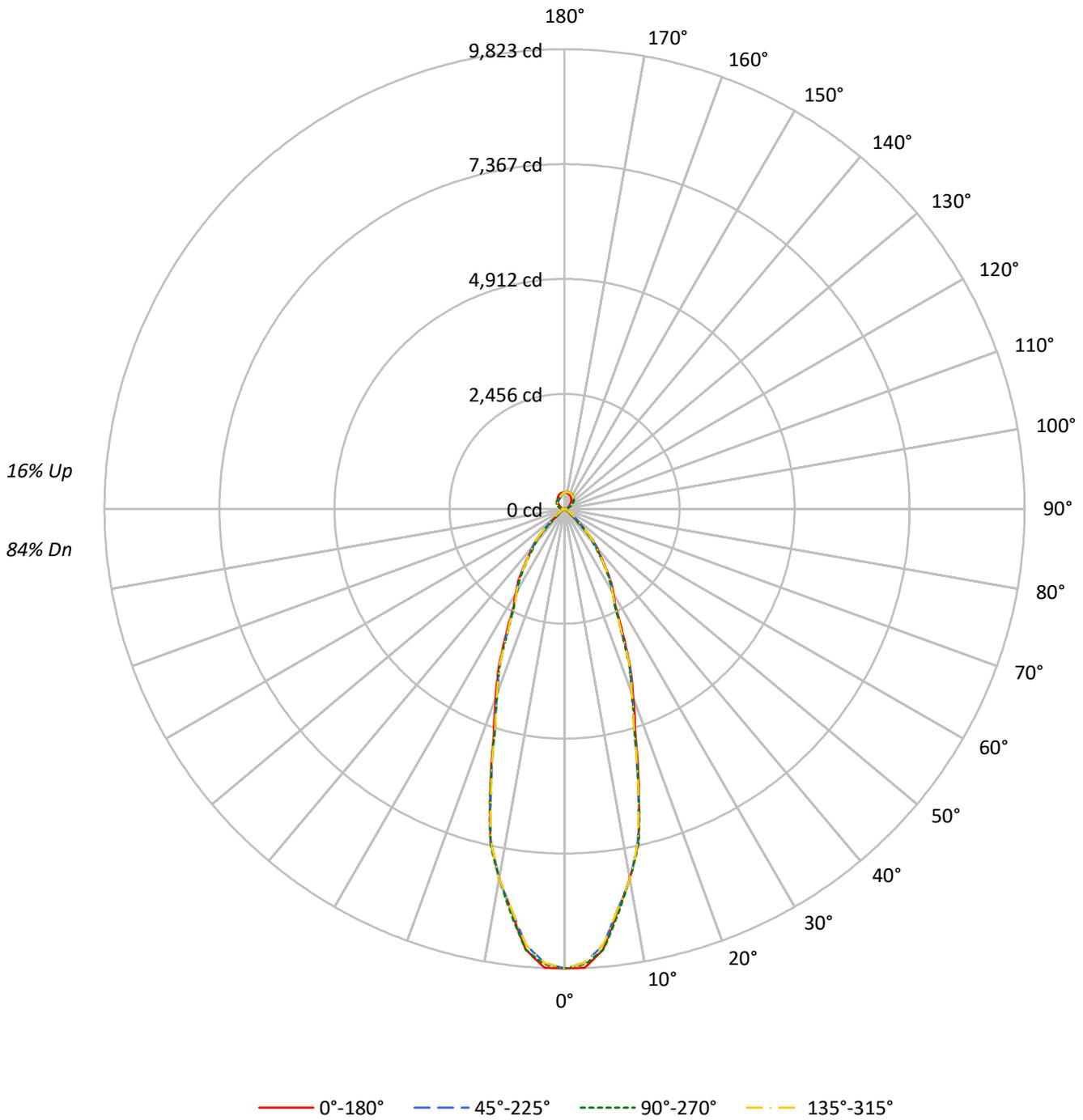
Lumens per Lamp: N/A
Luminaire Lumens: 6334.9 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427590

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84				
1	109	107	104	102	105	103	101	99	96	94	93	89	88	87	83	83	82	79				
2	104	99	95	91	100	96	92	89	90	87	84	84	82	80	79	78	76	74				
3	98	92	87	83	95	89	85	81	84	81	78	80	77	74	75	73	71	69				
4	93	86	80	76	90	83	78	74	79	75	72	75	72	69	72	69	67	65				
5	88	80	74	70	86	78	73	69	74	70	67	71	68	65	68	65	63	61				
6	84	75	69	65	81	73	68	64	70	66	62	67	64	61	65	61	59	57				
7	80	71	65	60	77	69	64	60	66	62	58	64	60	57	61	58	56	54				
8	76	67	61	57	74	65	60	56	63	58	55	61	57	54	59	55	53	51				
9	72	63	57	53	71	62	57	53	60	55	52	58	54	51	56	52	50	48				
10	69	60	54	50	67	59	53	50	57	52	49	55	51	48	53	50	47	46				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	158591	158591	158591	158591
5°	153288	153374	153288	153374
10°	131552	131552	131552	131552
15°	102109	101874	102109	101874
20°	73694	72113	73694	72113
25°	52254	50266	52254	50266
30°	38877	37523	38877	37523
35°	30249	28854	30249	28854
40°	22385	20444	22385	20444
45°	11439	9216	11439	9216
50°	2489	1824	2489	1824
55°	698	549	698	549
60°	113	58	113	58
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.4	13.4
10°-20°	1674.6	26.4
20°-30°	1350.9	21.3
30°-40°	938.4	14.8
40°-50°	433.5	6.8
50°-60°	60.7	1.0
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	1.9	0.0
90°-100°	27.9	0.4
100°-110°	81.4	1.3
110°-120°	132.8	2.1
120°-130°	168.5	2.7
130°-140°	180.3	2.8
140°-150°	168.4	2.7
150°-160°	138.6	2.2
160°-170°	92.9	1.5
170°-180°	33.0	0.5
0°-30°	3874.9	61.2
0°-40°	4813.3	76.0
0°-60°	5307.5	83.8
0°-90°	5311.4	83.8
90°-120°	242.1	3.8
90°-150°	759.4	12.0
90°-180°	1024.0	16.2
0°-180°	6334.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9823	9823	9823	9823	9823	
5°	9458	9463	9458	9463	9458	850
15°	6109	6095	6109	6095	6109	1682
25°	2933	2822	2933	2822	2933	1373
35°	1535	1464	1535	1464	1535	960
45°	501	404	501	404	501	405
55°	25	20	25	20	25	31
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9817.0	9800.6	9784.2	9751.8	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7
5°	9458.0	9435.2	9412.3	9384.8	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1
7.5°	8665.6	8673.0	8680.4	8661.5	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8
10°	8024.1	8029.6	8035.2	8034.2	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4
12.5°	7280.7	7302.5	7324.4	7299.2	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8
15°	6108.8	6144.2	6179.6	6129.5	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5
17.5°	5009.9	5006.3	5002.7	4971.7	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5
20°	4289.1	4283.6	4278.1	4251.3	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1
22.5°	3671.7	3662.4	3653.1	3641.9	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9
25°	2933.2	2903.3	2873.4	2849.4	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2
27.5°	2354.3	2353.8	2353.4	2339.2	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7
30°	2085.3	2079.7	2074.2	2059.3	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1
32.5°	1845.9	1849.9	1853.8	1837.9	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8
35°	1534.7	1534.7	1534.7	1521.7	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3
37.5°	1246.2	1244.8	1243.4	1233.8	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2
40°	1062.1	1058.2	1054.2	1047.3	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7
42.5°	852.5	863.1	873.6	870.3	862.5	848.3	827.8	809.2	796.2	783.1	796.2
45°	501.0	545.0	589.1	604.8	611.1	602.4	578.8	543.6	473.6	403.6	473.6
47.5°	215.3	263.7	312.2	352.9	390.9	378.9	316.7	255.6	197.4	139.1	197.4
50°	99.1	136.9	174.7	225.4	280.5	269.1	191.2	126.1	99.3	72.6	99.3
52.5°	58.1	76.9	95.8	143.3	200.2	195.1	127.9	74.0	59.8	45.7	59.8
55°	24.8	31.1	37.4	63.1	95.4	93.8	58.4	30.5	25.0	19.5	25.0
57.5°	9.2	12.7	16.1	25.4	36.5	35.8	23.2	13.1	10.3	7.4	10.3
60°	3.5	5.1	6.7	11.2	16.7	16.3	10.0	4.9	3.3	1.8	3.3
62.5°	0.7	1.7	2.6	5.1	8.1	8.0	4.8	2.2	1.3	0.4	1.3
65°	0.0	0.0	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.5	0.9	1.1	1.3	1.4	1.4	1.5	1.6	1.6	1.6
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7

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CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9770.4	9747.1	9712.5	9714.1	9751.8	9784.2	9800.6	9817.0	9800.6	9784.2	9751.8
5°	9457.0	9417.8	9366.7	9355.7	9384.8	9412.3	9435.2	9458.0	9435.2	9412.3	9384.8
7.5°	8745.9	8704.9	8648.3	8633.8	8661.5	8680.4	8673.0	8665.6	8673.0	8680.4	8661.5
10°	8066.6	8057.8	8038.9	8031.0	8034.2	8035.2	8029.6	8024.1	8029.6	8035.2	8034.2
12.5°	7303.8	7280.3	7252.0	7258.3	7299.2	7324.4	7302.5	7280.7	7302.5	7324.4	7299.2
15°	6096.2	6068.1	6030.4	6050.8	6129.5	6179.6	6144.2	6108.8	6144.2	6179.6	6129.5
17.5°	4926.8	4922.1	4915.0	4931.6	4971.7	5002.7	5006.3	5009.9	5006.3	5002.7	4971.7
20°	4189.2	4192.3	4197.8	4217.5	4251.3	4278.1	4283.6	4289.1	4283.6	4278.1	4251.3
22.5°	3594.7	3603.7	3617.4	3630.1	3641.9	3653.1	3662.4	3671.7	3662.4	3653.1	3641.9
25°	2854.7	2844.6	2825.8	2827.3	2849.4	2873.4	2903.3	2933.2	2903.3	2873.4	2849.4
27.5°	2316.5	2314.2	2312.1	2320.5	2339.2	2353.4	2353.8	2354.3	2353.8	2353.4	2339.2
30°	2031.6	2033.3	2032.5	2041.2	2059.3	2074.2	2079.7	2085.3	2079.7	2074.2	2059.3
32.5°	1792.2	1797.8	1802.0	1815.4	1837.9	1853.8	1849.9	1845.9	1849.9	1853.8	1837.9
35°	1468.6	1478.1	1489.9	1504.4	1521.7	1534.7	1534.7	1534.7	1534.7	1534.7	1521.7
37.5°	1176.3	1190.4	1207.1	1221.5	1233.8	1243.4	1244.8	1246.2	1244.8	1243.4	1233.8
40°	987.4	1004.9	1025.3	1039.5	1047.3	1054.2	1058.2	1062.1	1058.2	1054.2	1047.3
42.5°	809.2	827.8	848.3	862.5	870.3	873.6	863.1	852.5	863.1	873.6	870.3
45°	543.6	578.8	602.4	611.1	604.8	589.1	545.0	501.0	545.0	589.1	604.8
47.5°	255.6	316.7	378.9	390.9	352.9	312.2	263.7	215.3	263.7	312.2	352.9
50°	126.1	191.2	269.1	280.5	225.4	174.7	136.9	99.1	136.9	174.7	225.4
52.5°	74.0	127.9	195.1	200.2	143.3	95.8	76.9	58.1	76.9	95.8	143.3
55°	30.5	58.4	93.8	95.4	63.1	37.4	31.1	24.8	31.1	37.4	63.1
57.5°	13.1	23.2	35.8	36.5	25.4	16.1	12.7	9.2	12.7	16.1	25.4
60°	4.9	10.0	16.3	16.7	11.2	6.7	5.1	3.5	5.1	6.7	11.2
62.5°	2.2	4.8	8.0	8.1	5.1	2.6	1.7	0.7	1.7	2.6	5.1
65°	0.0	0.6	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.4	1.4	1.3	1.1	0.9	0.5	0.2	0.5	0.8	1.3
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1427590

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427590

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6	9822.6
2.5°	9714.1	9712.5	9747.1	9770.4	9759.7	9749.0	9759.7	9770.4	9747.1	9712.5	9714.1
5°	9355.7	9366.7	9417.8	9457.0	9460.1	9463.3	9460.1	9457.0	9417.8	9366.7	9355.7
7.5°	8633.8	8648.3	8704.9	8745.9	8739.8	8733.6	8739.8	8745.9	8704.9	8648.3	8633.8
10°	8031.0	8038.9	8057.8	8066.6	8045.4	8024.1	8045.4	8066.6	8057.8	8038.9	8031.0
12.5°	7258.3	7252.0	7280.3	7303.8	7312.8	7321.7	7312.8	7303.8	7280.3	7252.0	7258.3
15°	6050.8	6030.4	6068.1	6096.2	6095.5	6094.7	6095.5	6096.2	6068.1	6030.4	6050.8
17.5°	4931.6	4915.0	4922.1	4926.8	4924.5	4922.1	4924.5	4926.8	4922.1	4915.0	4931.6
20°	4217.5	4197.8	4192.3	4189.2	4193.1	4197.1	4193.1	4189.2	4192.3	4197.8	4217.5
22.5°	3630.1	3617.4	3603.7	3594.7	3599.9	3605.1	3599.9	3594.7	3603.7	3617.4	3630.1
25°	2827.3	2825.8	2844.6	2854.7	2838.2	2821.6	2838.2	2854.7	2844.6	2825.8	2827.3
27.5°	2320.5	2312.1	2314.2	2316.5	2319.7	2322.8	2319.7	2316.5	2314.2	2312.1	2320.5
30°	2041.2	2032.5	2033.3	2031.6	2022.1	2012.7	2022.1	2031.6	2033.3	2032.5	2041.2
32.5°	1815.4	1802.0	1797.8	1792.2	1782.8	1773.3	1782.8	1792.2	1797.8	1802.0	1815.4
35°	1504.4	1489.9	1478.1	1468.6	1466.3	1463.9	1466.3	1468.6	1478.1	1489.9	1504.4
37.5°	1221.5	1207.1	1190.4	1176.3	1170.2	1164.1	1170.2	1176.3	1190.4	1207.1	1221.5
40°	1039.5	1025.3	1004.9	987.4	978.7	970.0	978.7	987.4	1004.9	1025.3	1039.5
42.5°	862.5	848.3	827.8	809.2	796.2	783.1	796.2	809.2	827.8	848.3	862.5
45°	611.1	602.4	578.8	543.6	473.6	403.6	473.6	543.6	578.8	602.4	611.1
47.5°	390.9	378.9	316.7	255.6	197.4	139.1	197.4	255.6	316.7	378.9	390.9
50°	280.5	269.1	191.2	126.1	99.3	72.6	99.3	126.1	191.2	269.1	280.5
52.5°	200.2	195.1	127.9	74.0	59.8	45.7	59.8	74.0	127.9	195.1	200.2
55°	95.4	93.8	58.4	30.5	25.0	19.5	25.0	30.5	58.4	93.8	95.4
57.5°	36.5	35.8	23.2	13.1	10.3	7.4	10.3	13.1	23.2	35.8	36.5
60°	16.7	16.3	10.0	4.9	3.3	1.8	3.3	4.9	10.0	16.3	16.7
62.5°	8.1	8.0	4.8	2.2	1.3	0.4	1.3	2.2	4.8	8.0	8.1
65°	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.6	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	2.1	2.6	2.9	3.2	3.0	3.2	2.9	2.6	2.1	1.6
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1427590

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427590

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9822.6	9822.6	9822.6	9822.6
2.5°	9751.8	9784.2	9800.6	9817.0
5°	9384.8	9412.3	9435.2	9458.0
7.5°	8661.5	8680.4	8673.0	8665.6
10°	8034.2	8035.2	8029.6	8024.1
12.5°	7299.2	7324.4	7302.5	7280.7
15°	6129.5	6179.6	6144.2	6108.8
17.5°	4971.7	5002.7	5006.3	5009.9
20°	4251.3	4278.1	4283.6	4289.1
22.5°	3641.9	3653.1	3662.4	3671.7
25°	2849.4	2873.4	2903.3	2933.2
27.5°	2339.2	2353.4	2353.8	2354.3
30°	2059.3	2074.2	2079.7	2085.3
32.5°	1837.9	1853.8	1849.9	1845.9
35°	1521.7	1534.7	1534.7	1534.7
37.5°	1233.8	1243.4	1244.8	1246.2
40°	1047.3	1054.2	1058.2	1062.1
42.5°	870.3	873.6	863.1	852.5
45°	604.8	589.1	545.0	501.0
47.5°	352.9	312.2	263.7	215.3
50°	225.4	174.7	136.9	99.1
52.5°	143.3	95.8	76.9	58.1
55°	63.1	37.4	31.1	24.8
57.5°	25.4	16.1	12.7	9.2
60°	11.2	6.7	5.1	3.5
62.5°	5.1	2.6	1.7	0.7
65°	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	1.3	0.8	0.5	0.2
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1427590

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1427590
 CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00